

DOCKETED

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*Pacific Gas and
Electric Company*

2015

Integrated Energy Policy Report

**Submitted to the
California Energy Commission**

March 20, 2015

PUBLIC VERSION

March 20, 2015

VIA E-MAIL AND U.S. MAIL

Mr. Rob Oglesby
Executive Director
California Energy Commission
Dockets Office, MS-4
Re: Docket No. 15-IEPR-03
1516 Ninth Street
Sacramento, CA 95814-5512

Re: 2015 Integrated Energy Policy Report: Provision of Historical Data for Forms 8.1a and 8.1b

Dear Mr. Oglesby:

Pursuant to discussions with the California Energy Commission's (CEC) Energy Assessments Division, Pacific Gas and Electric Company (PG&E) provides detailed historical data (2012 to 2015) for Forms 8.1a and 8.1b for use in the CEC's 2015 Integrated Energy Policy Report (IEPR).

During conversations with the Energy Assessments Division to discuss a possible brief extension of time to submit these forms, currently due June 1, CEC personnel identified that, in previous IEPRs, detailed historical information requested on these forms had not been provided by PG&E; information had been provided at a more aggregated level. As a result, PG&E has agreed to submit this detailed historical information early to the CEC to allow the CEC to proceed with validating its models.

PG&E has requested a very limited extension of time to submit the forecast data for these forms to June 11, 2015; this request was sent to the CEC on March 10, 2015.

Given some of the historical data are confidential, PG&E is also providing applications for confidential designation for a subset of the data in these forms. For ease of review, two electronic sets are provided -- one confidential version and one with the confidential cells redacted. PG&E requests that the Commission promptly grant this request to ensure protection of this confidential, proprietary, and competitive-sensitive trade secret information.

We value the cooperative and collaborative working relationship we have with the CEC and with your analysts. PG&E appreciates the tremendous amount of hard work and ambitious schedule ahead of you in the 2015 IEPR, and I encourage you to call me at the number above with any questions or concerns you might have.

PG&E Provision of Historical Data for Forms 8.1a and 8.1b
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Sincerely,

/s/

Valerie J. Winn

cc: Sylvia Bender (Sylvia.bender@energy.ca.gov)
Ivin Rhyne (ivin.rhyne@energy.ca.gov)

**APPLICATION FOR CONFIDENTIAL DESIGNATION
(20 CCR SECTION 2025)**

2015 INTEGRATED ENERGY POLICY REPORT
Docket Number 15-IEP-03

Applicant: Pacific Gas and Electric Company ("PG&E")

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1. (a) Title, data, and description of the record.

Electric Retail Price and Rate forms issued by the California Energy Commission (CEC) for the 2015 Integrated Energy Policy Report.

(b) Specify the part(s) of the record for which you request confidential designation.

PG&E is providing in full all the information requested in the Electric Retail Price and Rate Forecast Forms 8.1a and 8.1b for the years 2012 to 2015. This information is available to all Commissioners and to staff members on the 2015 Integrated Energy Policy Report Committee solely for its use in the IEPR proceeding. However, PG&E is requesting confidential designation for certain data cells in the Electric Retail Price and Rate Form 8.1a, as described in more detail below.

2. State and justify the length of time the Commission should keep the record confidential.

PG&E requests that certain data cells in Form 8.1a be designated as confidential. PG&E requests that confidential designation of this information herein be maintained for a period of three years from submission. PG&E believes that this confidentiality is required to ensure that the data does not reveal PG&E's ongoing and future procurement and competitive positions and strategies, thereby compromising PG&E's ability to secure the most favorable deals for customers.

It is in the public interest to protect data concerning PG&E's generation cost and fuel price forecasts from disclosure to market participants and competitors, in order that such market participants and competitors not manipulate or misuse the information in order to raise capacity and energy prices during a period when real or perceived imbalances in supply and demand may exist. This competitive and

market sensitive information should remain confidential, as knowledge about PG&E's specific procurement costs could undermine its competitive position and current business plans. At the same time, the public interest in ensuring that the State's energy policy plans and forecasts include this information is protected, because the information is being made available to the Commission staff and all Commissioners for internal use in the IEPR proceeding without restriction, as well as for public use on an aggregated basis.

Specifically, for Form 8.1a, the following information related to the historical years 2013 to 2015 is to be kept confidential:

- the average fuel price; and
- the generation cost forecasts described below:
 - Utility Owned/Retained (UOG) Nuclear Fuel
 - UOG Conventional Hydroelectric Fuel
 - UOG Natural Gas-Fired Fuel
 - Other Resources

In addition, certain items should be redacted as making these items public will allow the calculation of the information mentioned above. The additional information that should be redacted are:

- UOG Nuclear Non-Fuel
- UOG Conventional Hydroelectric Non-Fuel
- UOG Natural Gas Fired Non-Fuel
- Other Supply Contracts
- Supply Contracts Subtotal

3. (a) State the provision(s) of the Public Records Act or other law that allows the Commission to keep the record confidential, and explain why the provision(s) applies to the record.

The portions of Form 8.1a for which PG&E requests confidentiality provide competitively and commercially sensitive business and resource planning information and trade secrets. Under the Public Records Act, Govt. Code Section 6254(k), records subject to the privileges established in the Evidence Code are not required to be disclosed. See also Govt. Code Section 6254.7(d). Evidence Code Section 1060 provides a privilege for trade secrets, which is defined in Civil Code Section 3426.1. That definition includes information, including a formula, technique, and process, that derives independent economic value from not being generally known to the public or to other persons who could obtain value from its disclosure.

These forms contain detailed disaggregated forecast information for fuel and non-fuel revenue requirements and gas prices for 2012-2015 for utility-owned natural gas-fired generation that relatively easily allows a party to calculate PG&E's current energy supply needs on a disaggregated basis. For example, using the fuel cost revenue requirement for utility-owned natural gas-fired generation, plus the forecast natural price, both of which are contained in Form 8.1a, the forecast annual energy supply volumes from its gas-fired generation can be estimated by using the publicly available average heat rate for the unit. By thus calculating the change

in PG&E's "residual net short" position, potential suppliers achieve a competitive advantage that potentially harms PG&E's customers who may end up paying higher power prices.¹ Second, to release this information publicly would allow market participants to have access to competitively sensitive information that would normally not be available to them in this form or format. As a matter of law and public policy, the CEC should ensure that it does not facilitate availability of such data.

Certain categories of this information already are subject to protection from disclosure by the California Public Utilities Commission under Section 454.5 of the Public Utilities Code. That section requires the California Public Utilities Commission to maintain on a confidential basis market sensitive information related to a distribution utility's procurement plan. The data provided here is the same data that has been or similar data that would likely be protected in that forum as well. See CPUC Decision No. 06-06-066, Appendix 1. Since the CPUC issued that decision, PG&E has been scrupulous in adhering to the CPUC's confidentiality rules.

(b) Discuss the public interest in nondisclosure of the record. If the record contains trade secrets or its disclosure would otherwise cause loss of a competitive advantage, please also state how it would be lost, the value of the information to the Applicant, and the ease or difficulty with which the information could be legitimately acquired or duplicated by others.

The public and PG&E's customers have a compelling interest in protecting this information from disclosure to competitors or electricity suppliers who could use the information to manipulate the costs of energy supplies procured by PG&E and other utilities on behalf of their customers. Because of the ease with which changes in PG&E's net short position can be derived using this disaggregated data, protection from disclosure to third parties is required. These determinations need not be mathematically exact to cause harm; customers incur substantial risk of higher energy prices (or fewer revenues from sales) any time a potential supplier knows that a utility must buy or sell gas or electricity on behalf of its customers at any given time. PG&E believes that it would be relatively easy to perform these calculations if the data in these forms were disclosed on a disaggregated basis.

In general, PG&E's electricity procurement-related and resource planning forecasts created after January 1, 2003 when the utilities resumed their procurement responsibilities are a prime candidate for confidential treatment because such information could be used to reveal sensitive PG&E-specific data on generation costs, spot purchases, spot sales, total bundled sales, and contract purchases. Similarly, if buyers know when PG&E has to sell power, PG&E could get a lower

¹ "Residual net short" refers to the amount of energy PG&E needs to procure in the market after meeting its forecasted load with existing power supplies, including existing power purchase contracts and utility retained generation.

price than if the market assumed the utility had discretion over whether or not to sell. Such market knowledge is a key factor, for example, for why prices drop during spring hydro run-off periods.

The more detail that is made public concerning a utility's disaggregated positions, the greater the potential for market abuse. Suppliers could calculate adjustments to a utility's resource portfolio and be able to determine more accurately the utility's incremental needs from the market. Suppliers might then bid up prices either through additional buying or less aggressive selling, in anticipation of significant purchases by the utility, as compared with prior periods.

PG&E believes that the public interest in favor of disclosure of IEPR-related information can be promoted without disclosure of this information on a disaggregated basis. The disaggregated information is being provided without restriction to the Commission staff and all Commissioners for their internal use in the IEPR proceeding.

4. **State whether the record may be disclosed if it is aggregated with other information or masked to conceal certain portions (including but not limited to the identity of the Applicant). State the degree of aggregation or masking required. If the data cannot be disclosed even if it is aggregated or masked, explain why.**

Aggregation of data collected by the CEC from all California electric and gas utilities on a statewide basis would be acceptable, as long as not disaggregated by geographic region or service territory in a manner that would permit imputation on a stand-alone utility basis. Also, after the passage of at least three years, release of the data provided herein would not cause as much concern.

5. **State how the record is kept confidential by the Applicant and whether it has ever been disclosed to a person other than an employee of the Applicant. If it has, explain the circumstances under which disclosure occurred.**

PG&E maintains access to this information on a confidential basis. It is only available by hard copy and electronically on a limited basis within certain departments and corporate affiliates, such as PG&E's parent company, that must have access to the information to conduct their procurement, regulatory, and business planning and forecasting activities. In addition, under Standard of Conduct #2 adopted by the CPUC for the utilities' electric procurement activities, PG&E employees are obligated to protect the Company's trade secrets:

2. Each utility must adopt, actively monitor, and enforce compliance with a comprehensive code of conduct for all employees engaged in the procurement process that: 1) identifies trade secrets and other confidential information; 2) specifies procedures for ensuring that such information retains its trade secret and/or confidential status [e.g., limiting access to such information to individuals with a need to know, limiting locations at which such information may be accessed, etc.]; ... (See D.02-12-074, pp.

57-58.)

PG&E has not to the best of its knowledge previously released this information to the general public or to third parties or market participants on an unlimited basis in this format or projecting out over this duration of time. While certain of the information here or similar categories of information may have been provided in part or in aggregated form previously under protective order or nondisclosure agreements in various state or federal regulatory filings, PG&E has not to the best of its knowledge previously publicly disclosed this data in this disaggregated format.

For all these reasons, PG&E requests that the CEC protect this information from disclosure to the public, PG&E's suppliers, or PG&E's competitors.

I certify under penalty of perjury that the information contained in this application for confidential designation is true, correct, and complete to the best of my knowledge and that I am authorized to make the application and certification on behalf of the Applicant.

Dated: March 20, 2015

Signed:



Name: Christopher J. Warner

Title: Chief Counsel

Pacific Gas and Electric Company

Form 8.1a IOU Revenue Requirements by Major Cost Categories

PG&E is providing the historical revenue requirements in advance of the rest of the data on this form. The complete forms will be provided by June 11, 2015. Revenue requirements for 2012 through 2015 are shown, as requested, in nominal dollars.

Years 2012-2015 – PG&E provides authorized revenue requirements included in rates January 1 of each year. The following is a list of sources of authorized revenue requirements:

- 2012 – AL 3796-E-B, Annual Electric True-up Filing, page 11.
- 2013 – AL 4096-E-A, Annual Electric True-up Filing, page 11.
- 2014 – AL 4278-E-B, Annual Electric True-up Filing, page 10.
- 2015 – AL 4484-E-A, Annual Electric True-up Filing, page 8.

The Utility Owned Generation (UOG) excludes fuel. UOG fuel is included in the Energy Resource Recovery Account (ERRA) Revenue Requirement that is included with ‘Supply Contracts’ costs. Provisions for franchise fees and uncollectible (FF&U) are included with each cost component except for ‘DWR Power and Bond’ costs. The DWR related provisions for FF&U are shown on the line “Taxes and Franchise Fees”.

Form 8.1b Revenue Requirements Allocation by Bundled Customer Class and for Direct Access Service Customers (two forms)

PG&E is providing the historical revenue requirements, 2012 through 2015, in advance of the rest of the data that will be provided in this form. The complete forms will be provided by June 11, 2015. These forms allocate the revenue requirements in 8.1a to the different rate classes. Note that the sum of forms 8.1b Bundled and 8.1b Direct Access will not equal the revenue requirements in 8.1a since the RRQs in 8.1a also includes revenue requirements allocated to departing load customers.

Form 8.1a (IOU)

IOU Revenue Requirements by Major Cost Categories/Unbundled Rate Component

2012 to 2015 (in Nominal Dollars, thousands)

	2012	2013	2014	2015
GENERATION				
Utility owned/retained generation by fuel/resource type:				
Nuclear:				
Fuel	142,471			
Non-Fuel	994,963			
Nuclear Subtotal	1,137,434	1,097,450	1,100,163	1,257,750
Conventional Hydroelectric:				
Fuel	2,700			
Non-Fuel	426,413			
Conventional Hydroelectric Subtotal	429,113	415,247	413,544	486,284
Hydroelectric Pumped Storage:				
Fuel				
Non-Fuel				
Hydroelectric Pumped Storage Subtotal	-		-	-
Natural Gas-Fired:				
Fuel	176,647			
Average Fuel Price	4.51			
Non-Fuel	355,344			
Natural Gas-Fired Subtotal	531,991	557,444	550,111	596,901
Coal:				
Fuel				
Average Fuel Price				
Non-Fuel				
Coal Subtotal	0	0	0	0
RPS "Eligible" Renewables:				
Fuel				
Non-Fuel		87,200	121,600	110,050
RPS "Eligible" Renewables Subtotal	0	87,200	121,600	110,050
Utility-Owned/Retained Generation Subtotal:	2,098,538	2,157,342	2,185,418	2,450,985
DWR Contracts by type:				
Must-take				
Capacity-charge/Economic Dispatch				
Renewables				
DWR Contracts Subtotal	(251,877)	(26,188)	228	(124,456)
Supply Contracts by type:				
QF's & Non-QF Renewables	1,975,949	2,296,814	2,816,557	2,840,018
Other	969,367			
Supply Contracts Subtotal	2,945,316			
Residual Market Transactions:	399,452	247,679	565,030	582,275
Payments to CAISO for Market Charges:	107,454	119,704	149,207	86,176
Other Resources:	287,291			
Other:	43,822	(133,700)	(131,800)	57,723
GENERATION SUBTOTAL	5,629,997	6,118,138	6,726,726	6,926,341
TRANSMISSION				
Base Transmission Revenue Requirement	\$870,087	\$916,736	\$1,058,384	\$1,007,762
Transmission Revenue Balancing Account Adjustment	(\$88,589)	(\$109,175)	(\$110,808)	(\$96,858)
Transmission Access Charge Balancing Account	\$205,562	\$267,819	\$348,872	\$479,099
Reliability Services Rates	(\$8,477)	(\$11,480)	(\$11,682)	\$10,732
TRANSMISSION SUBTOTAL	\$978,582	\$1,063,901	\$1,284,766	\$1,400,736
DISTRIBUTION				
Base Margin	\$3,460,698	\$3,484,321	\$3,462,713	\$4,070,519
Customer Service				
Self-Generation Incentive Program	\$29,839	\$30,566	\$29,839	\$29,967
Demand Response Program	\$0	\$79,240	\$65,849	\$64,737
Advanced Metering Infrastructure	\$176,800	\$158,800	\$158,800	Included in Base Margin
California Solar Initiative	\$121,295	\$85,917	\$85,917	\$95,115
All Other Costs (e.g., G&A)	\$85,355	\$101,948	\$93,646	(\$257,905)
DISTRIBUTION SUBTOTAL	\$3,873,987	\$3,940,793	\$3,896,763	\$4,002,433
NUCLEAR DECOMMISSIONING	\$44,270	\$44,270	\$44,270	\$107,834
PUBLIC PURPOSE PROGRAMS:				
Low-Income	\$87,766	\$92,139	\$94,893	\$96,217
Energy Efficiency	\$369,666	\$290,164	\$342,455	\$355,478
Public Interest Research and Development	\$72,082	\$82,038	\$82,038	\$86,149
Renewable Energy	Included in PIRD			
PUBLIC PURPOSE PROGRAMS SUBTOTAL	\$529,514	\$464,341	\$519,386	\$537,844
DWR BOND CHARGE	\$393,032	\$375,789	\$398,573	\$409,748
FIXED TRANSITION AMOUNT/ TRUST TRANSFER ACCOUNT	\$0	\$0	\$0	\$0
ON-GOING COMPETITIVE TRANSITION CHARGE				
REGULATORY ASSET FOR ENERGY RECOVERY BOND (PG&E only)	\$434,099	(\$16,300)	(\$133,476)	(\$436,942)
TAXES AND FRANCHISE FEES	\$1,269	\$3,204	\$3,041	\$2,755
OTHER COSTS NOT ALREADY REPORTED	\$485,671	\$375,800	\$292,432	\$617,782
TOTAL REVENUE REQUIREMENTS	\$ 12,370,420	\$ 12,369,935	\$ 13,032,481	\$ 13,568,533

	A	B	C	D	E
1	Form 8.1b (Bundled)				
2					
3					
4					
5		2012	2013	2014	2015
6					
7	Total Revenue Requirements (From Form 1.a (IOU))	\$ 12,370,420	\$ 12,369,935	\$ 13,032,481	\$ 13,568,533
8	Total Generation Revenue Requirement:				
9	Residential/Domestic	\$ 2,404,603	\$ 2,703,689	\$ 2,912,886	\$ 3,074,240
10	Commercial	\$ 2,202,232	\$ 2,337,667	\$ 2,636,236	\$ 2,766,752
11	Industrial	\$ 668,225	\$ 727,068	\$ 751,447	\$ 867,722
12	Agricultural	\$ 343,973	\$ 449,288	\$ 538,915	\$ 658,001
13	All Other Customer Classes	\$ 51,312	\$ 60,493	\$ 63,103	\$ 67,654
14	GENERATION SUBTOTAL	\$ 5,670,345	\$ 6,278,206	\$ 6,902,586	\$ 7,434,369
15	Total Distribution Revenue Requirement:				
16	Residential/Domestic	\$ 1,585,504	\$ 1,563,102	\$ 1,560,519	\$ 1,841,236
17	Commercial	\$ 1,269,747	\$ 1,197,344	\$ 1,183,248	\$ 1,291,847
18	Industrial	\$ 140,703	\$ 139,974	\$ 113,633	\$ 141,218
19	Agricultural	\$ 254,990	\$ 262,288	\$ 272,245	\$ 335,526
20	All Other Customer Classes	\$ 41,937	\$ 41,159	\$ 40,725	\$ 42,277
21	DISTRIBUTION SUBTOTAL	\$ 3,292,882	\$ 3,203,867	\$ 3,170,370	\$ 3,652,104
22	All Other Revenue Requirements:				
23	Residential/Domestic	\$ 1,147,591	\$ 956,000	\$ 969,213	\$ 503,189
24	Commercial	\$ 1,075,745	\$ 836,222	\$ 879,977	\$ 765,908
25	Industrial	\$ 336,383	\$ 264,353	\$ 248,271	\$ 227,880
26	Agricultural	\$ 179,517	\$ 177,459	\$ 198,016	\$ 197,240
27	All Other Customer Classes	\$ 29,271	\$ 26,397	\$ 25,076	\$ 22,538
28	"ALL OTHER" SUBTOTAL	\$ 2,768,507	\$ 2,260,431	\$ 2,320,553	\$ 1,716,755
29	Total Revenue Requirements	\$ 11,731,734	\$ 11,742,503	\$ 12,393,509	\$ 12,803,229
30					

Form 8.1b (Direct Access)**Revenue Requirements Allocation for Direct Access Service Customers****2010 to 2012 (in Nominal Dollars, thousands) 2013 to 2024 (in Nominal Dollars, thousands)**

	2012	2013	2014	2015
Total Revenue Requirements	\$ 12,370,420	\$ 12,369,935	\$ 13,032,481	\$ 13,568,533
Total Revenue Requirements for Direct Access Service Customers:				
Residential	\$ 28,725	\$ 58,459	\$ 69,066	\$ 81,962
Non-Residential	\$ 573,217	\$ 525,074	\$ 539,356	\$ 653,978